



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Sunday September 20, 2020

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)



- **TS Beta expected to remain a tropical storm and make landfall on the TX coast Monday evening.**
  - **Tropical Storm and Storm Surge Warnings are in effect for portions of the TX and LA coasts**
  - **Potential for heavy rain/flash flooding and coastal flooding along TX/LA coastal areas this week.**
  - **Threat of a few tornadoes Monday from the Mid/Upper TX coast into SW LA.**

# FEMA Region 6 Threat Matrix

Sep 20, 2020 - Sep 24, 2020



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DAY / THREAT	Sun	Mon	Tue	Wed	Thu
Severe Storms		TX and SW LA coasts			
Heavy Rain / Flash Flooding	TX/LA coasts	TX coast & SETX	TX Coast & SETX	SETX/LA/SE AR	NE LA/SE AR
		LA coast & S LA	LA coast & S LA		
Fire Weather					
Tropical Winds / Surge	TX coast	TX coast	TX coast		
	LA coast	LA coast	LA coast		
Winter Weather					
River Flooding			TX/LA	TX/LA	TX/LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



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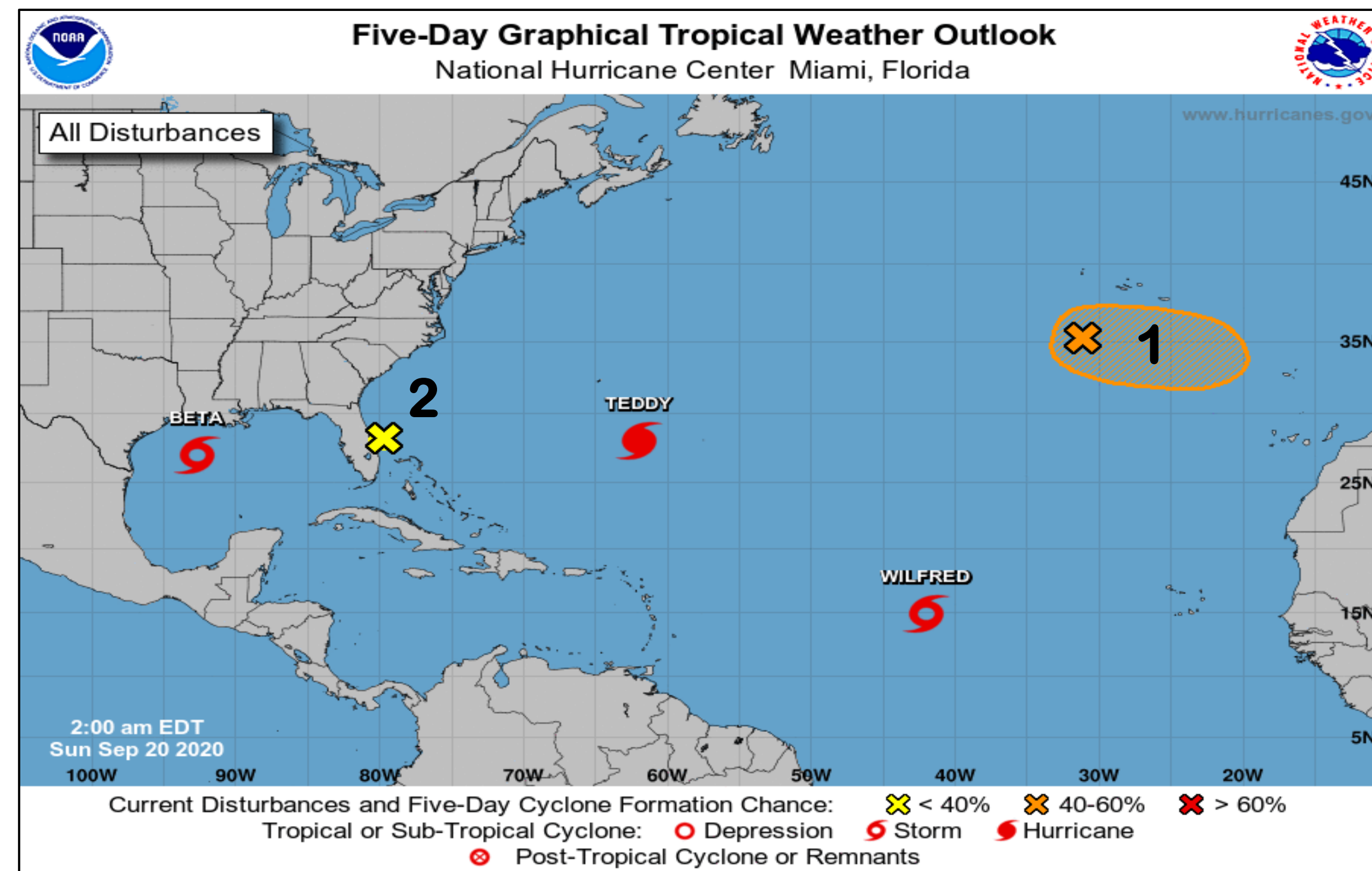
See next slides for more information

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium	None.
2	Low	None in the next 5 days.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Teddy	None
Wilfred	None
Beta	Prolonged period of heavy rain/flash flooding and coastal flooding to the TX/LA coasts.

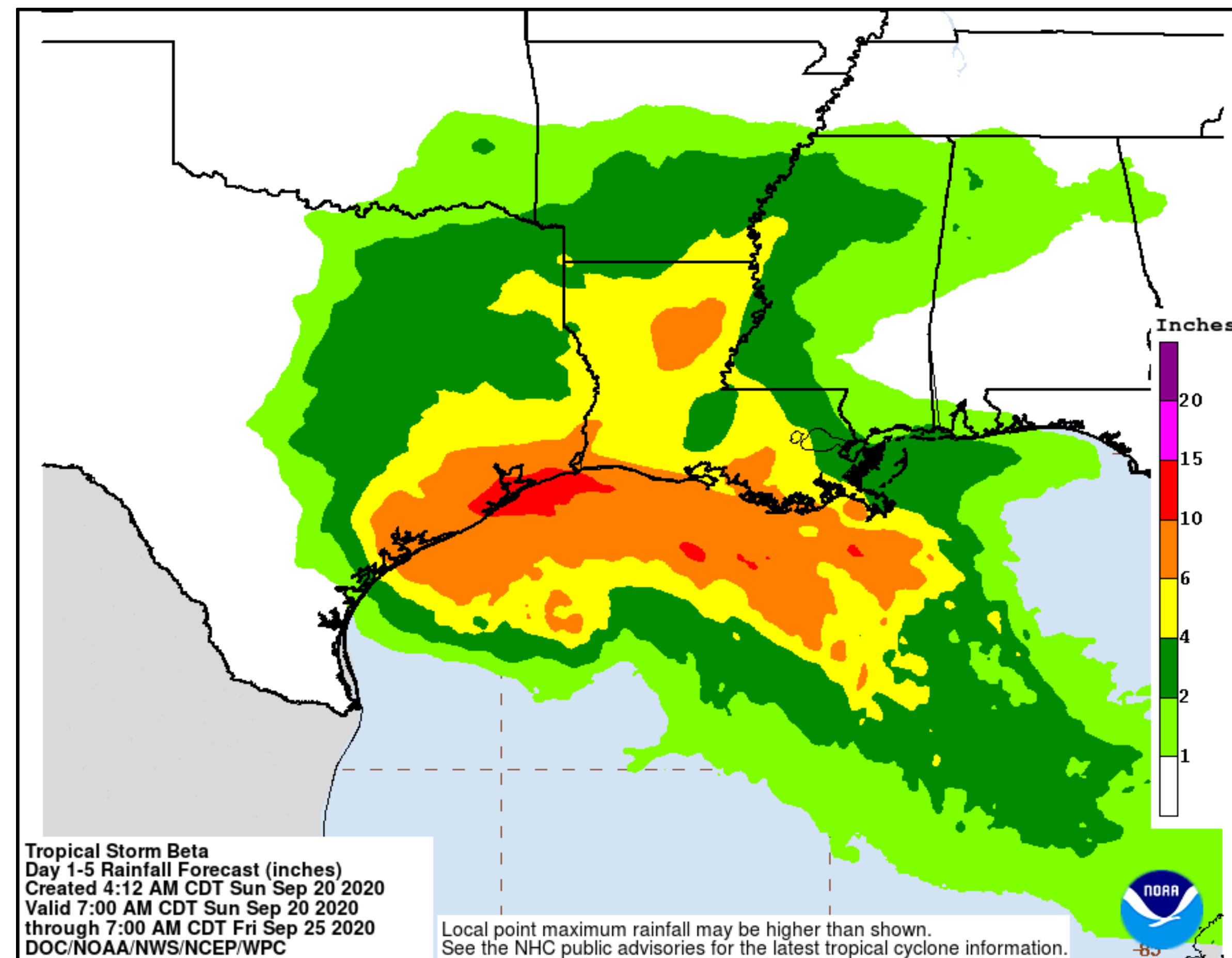
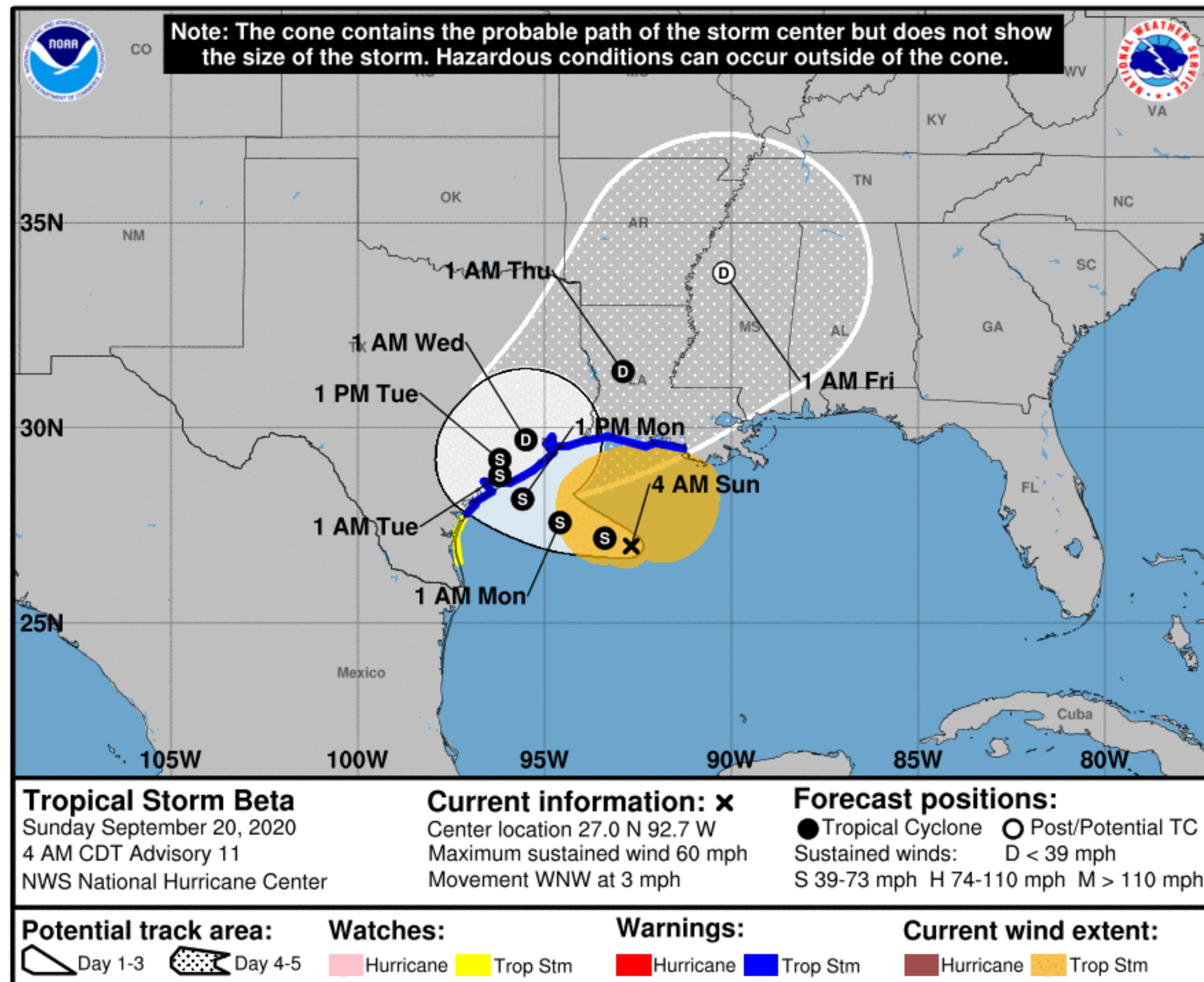




# Tropical Storm Beta



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The expected slow motion of Beta will produce a long duration rainfall event from the Middle Texas coast to southern Louisiana. Flash, urban, and river flooding is likely.

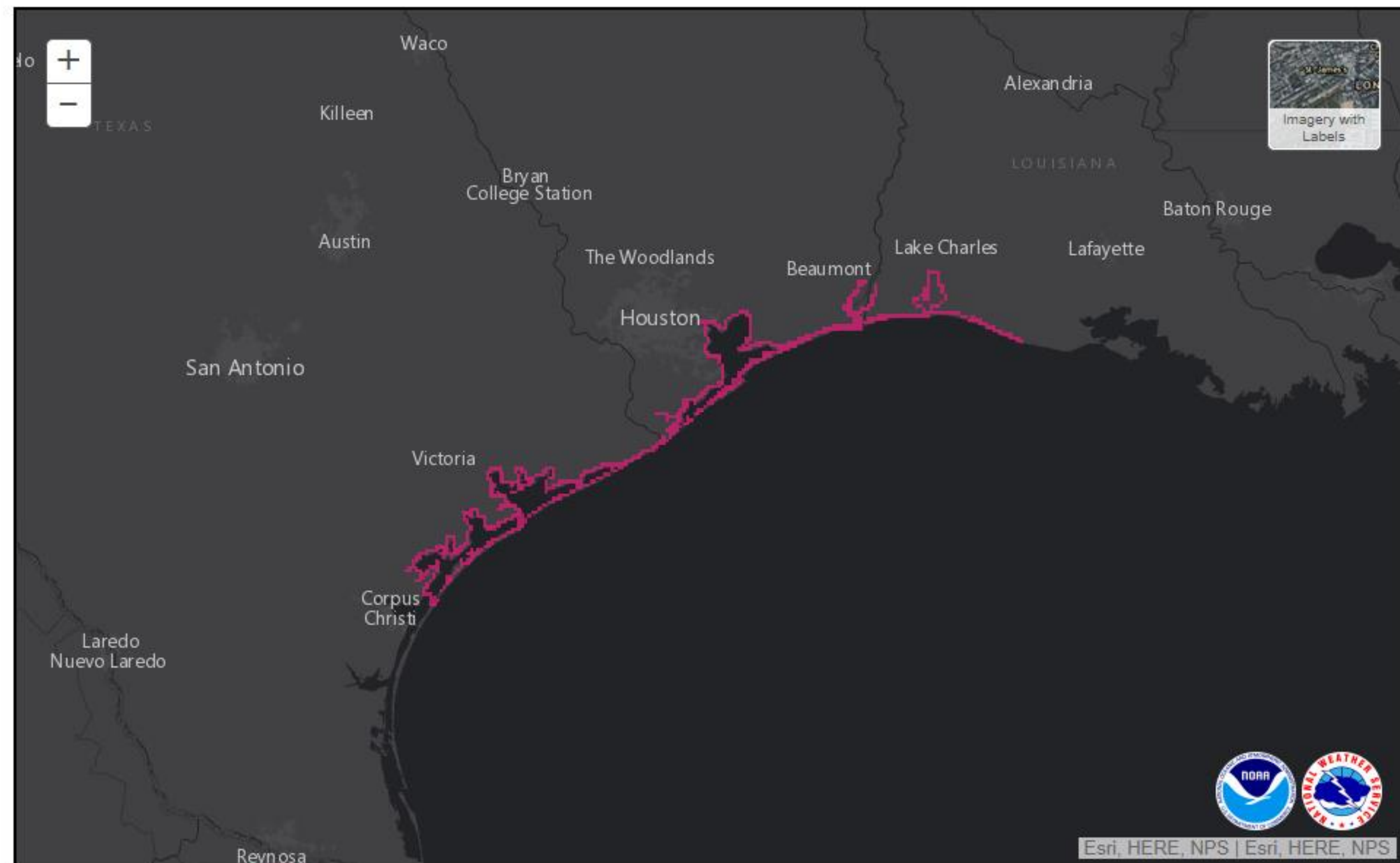


# Tropical Storm Beta

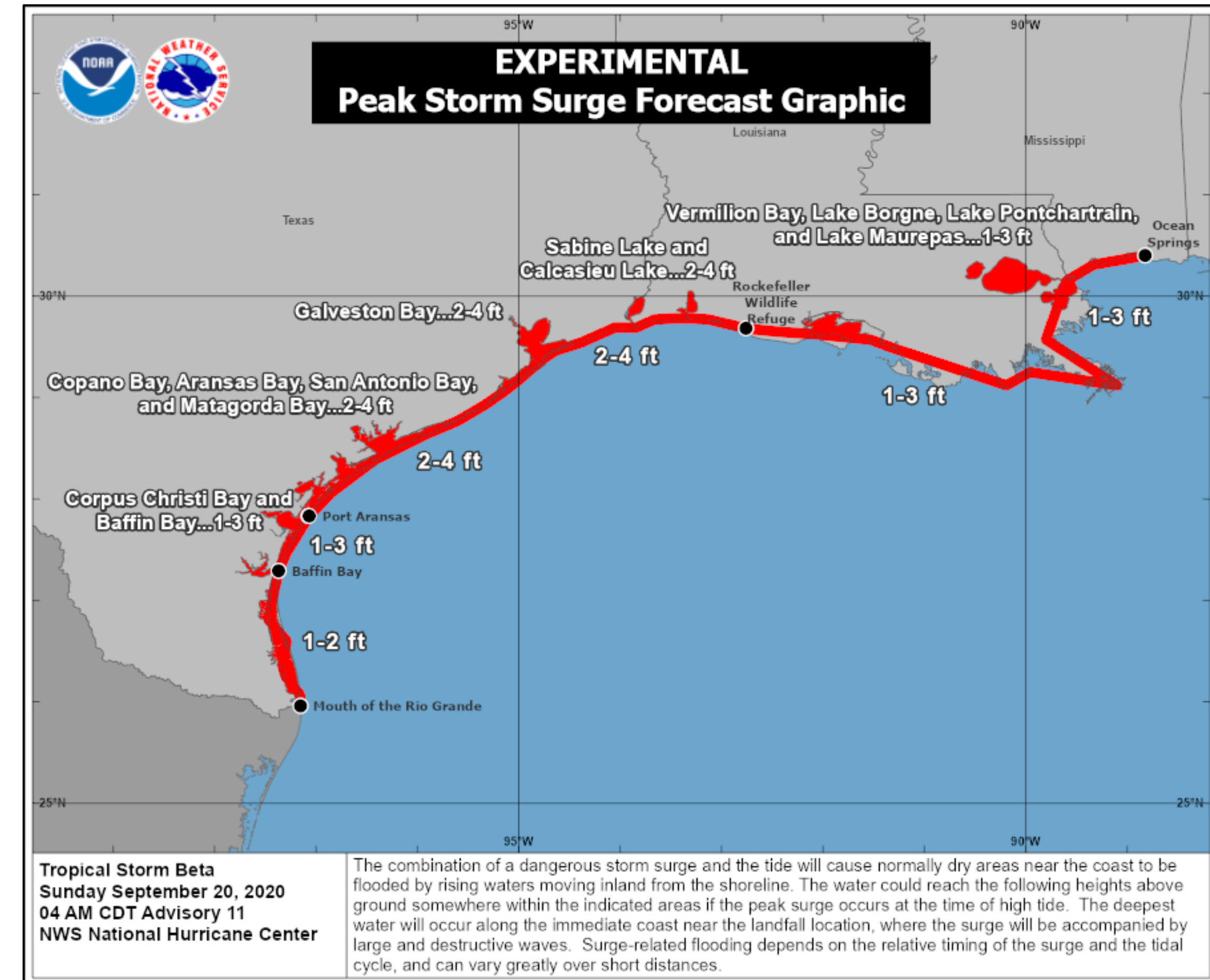


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**Tropical Storm Beta**  
Advisory 011 Issued: 4:00 AM CDT Sun Sep 20



Storm Surge Warning  
 Storm Surge Watch



**Tropical Storm Beta**  
Sunday September 20, 2020  
04 AM CDT Advisory 11  
NWS National Hurricane Center

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

**Storm surge warning is in effect from Port Aransas, Texas to Rockefeller Wildlife Refuge, Louisiana**



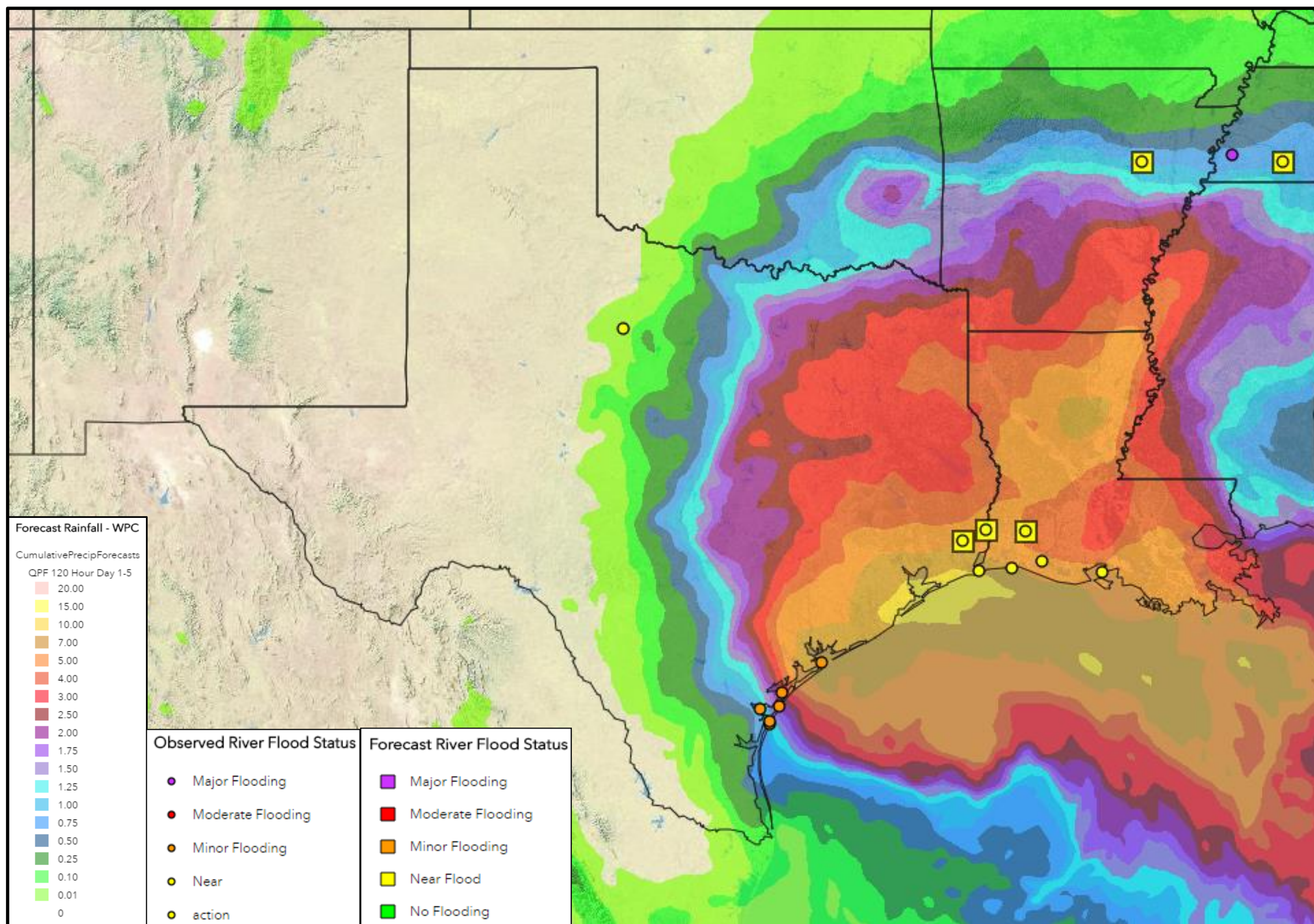
# 5-Day Precipitation Forecast & River Flood Status



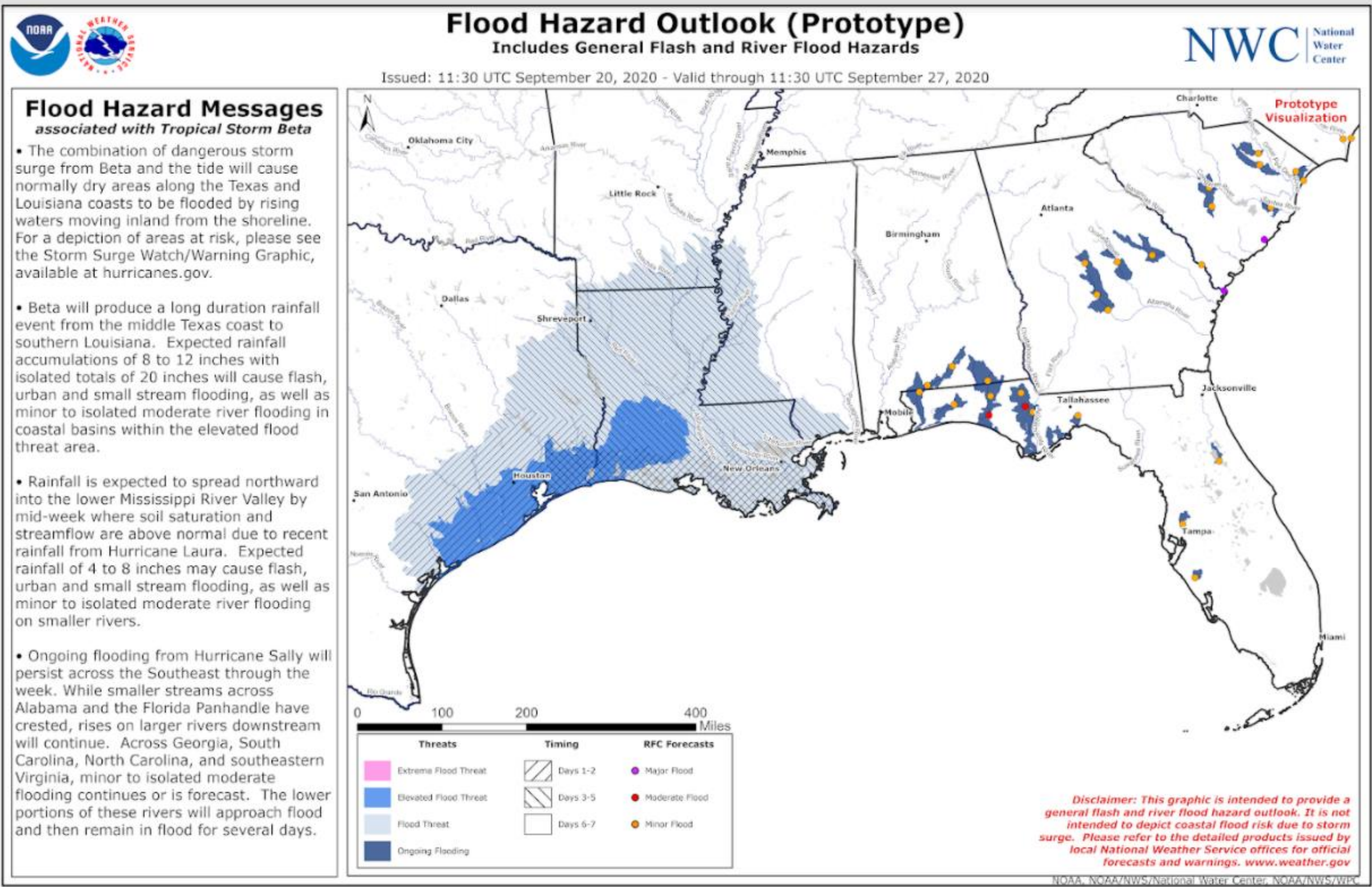
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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Potential for river flooding across portions of TX/LA due to the rainfall associated with TS Beta.**







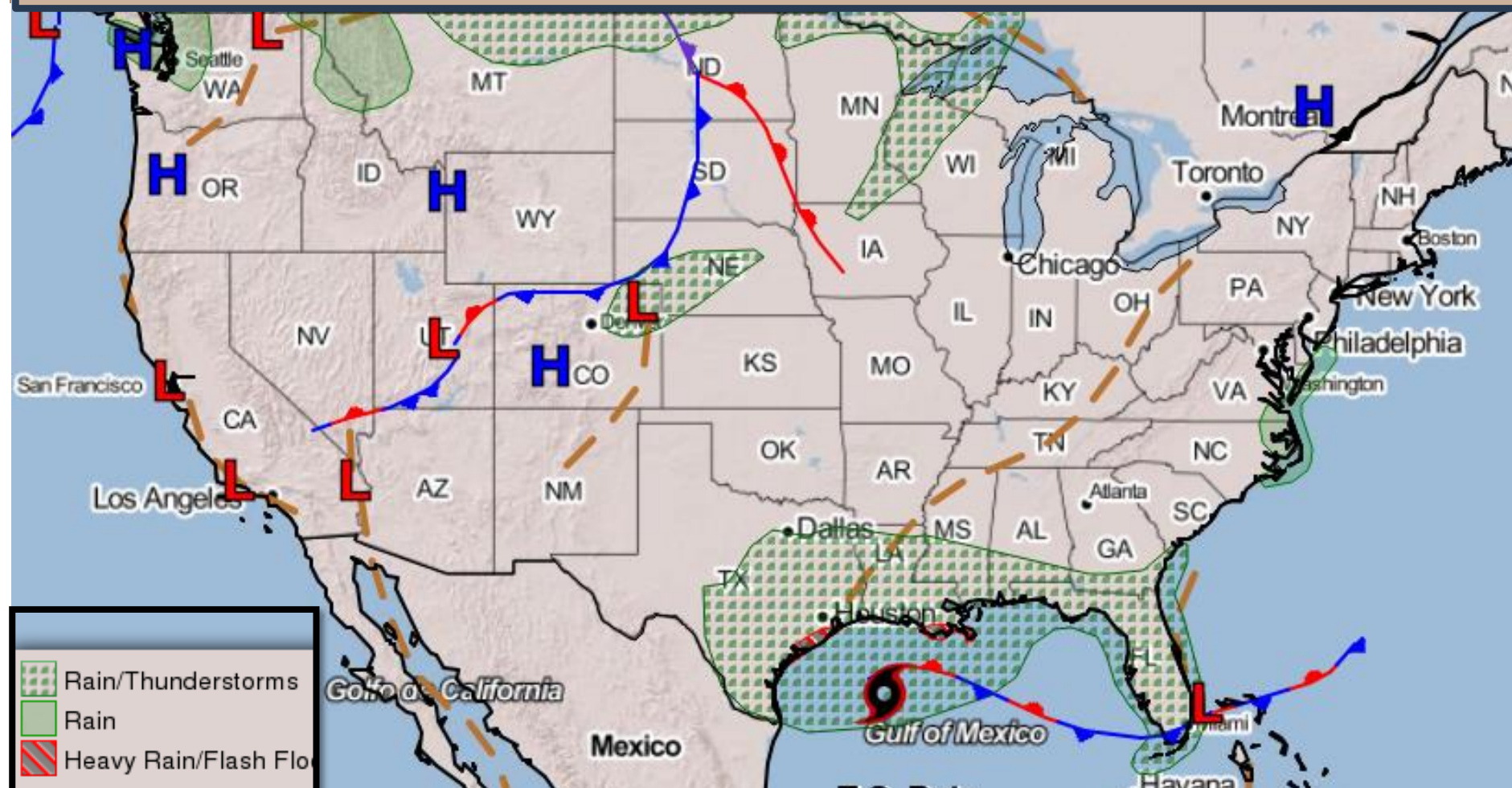


# Today's Weather



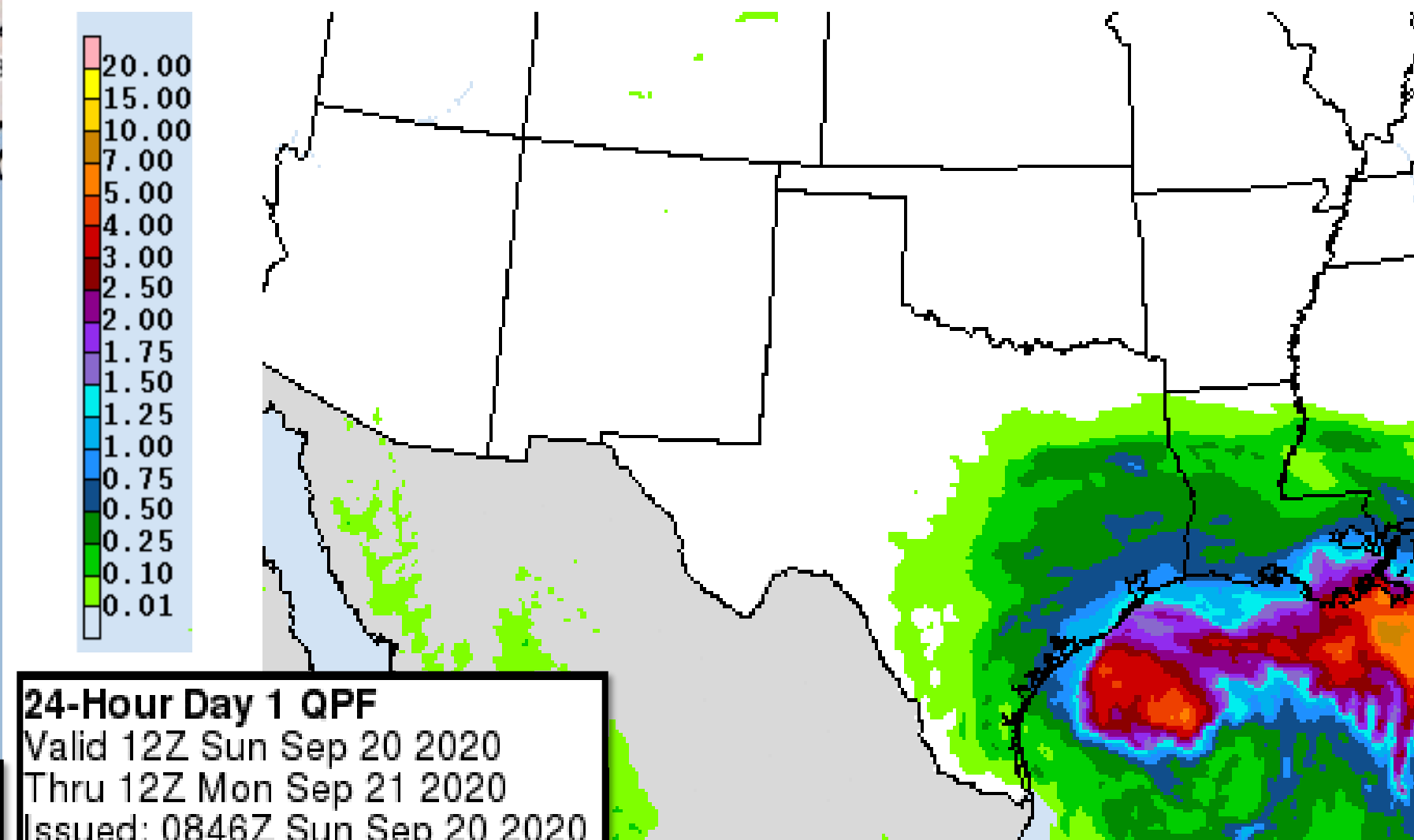
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## Forecast Chart



Weather Valid 8am EDT Sun Sep 20 2020 to 8am EDT Mon Sep 21 2020  
Fronts Valid 8am EDT Sun Sep 20 2020  
Issued 4:52 AM EDT Sun, Sep 20, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Putnam with WPC/SPC/NHC forecasts.

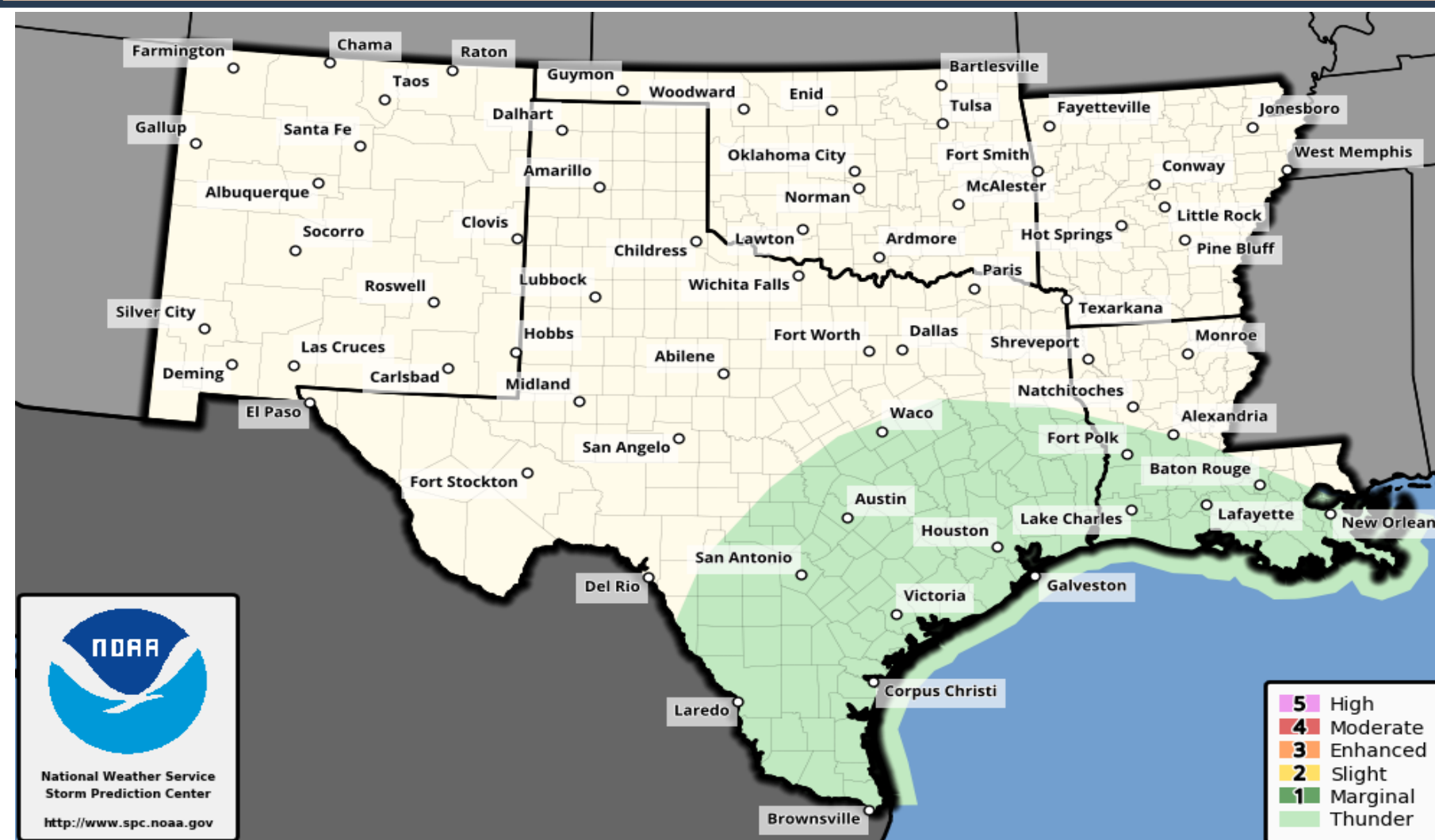
## Forecast Rainfall



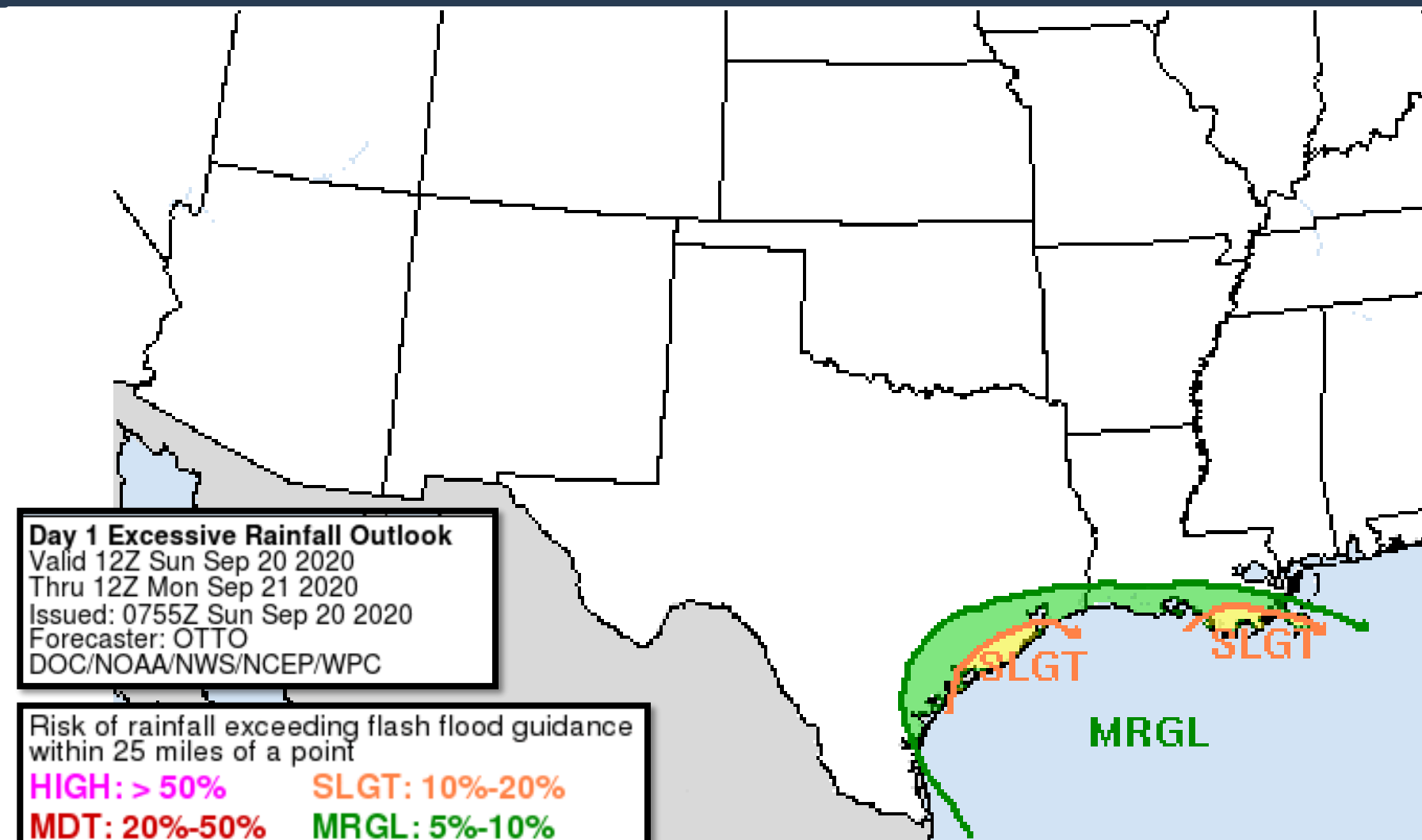
24-Hour Day 1 QPF  
Valid 12Z Sun Sep 20 2020  
Thru 12Z Mon Sep 21 2020  
Issued: 0846Z Sun Sep 20 2020

Heavy rain/flash flooding along  
the TX and LA coasts.

## Severe Weather Outlook



## Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook  
Valid 12Z Sun Sep 20 2020  
Thru 12Z Mon Sep 21 2020  
Issued: 0755Z Sun Sep 20 2020  
Forecaster: OTTO  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point  
HIGH: > 50% SLGT: 10%-20%  
MDT: 20%-50% MRGL: 5%-10%

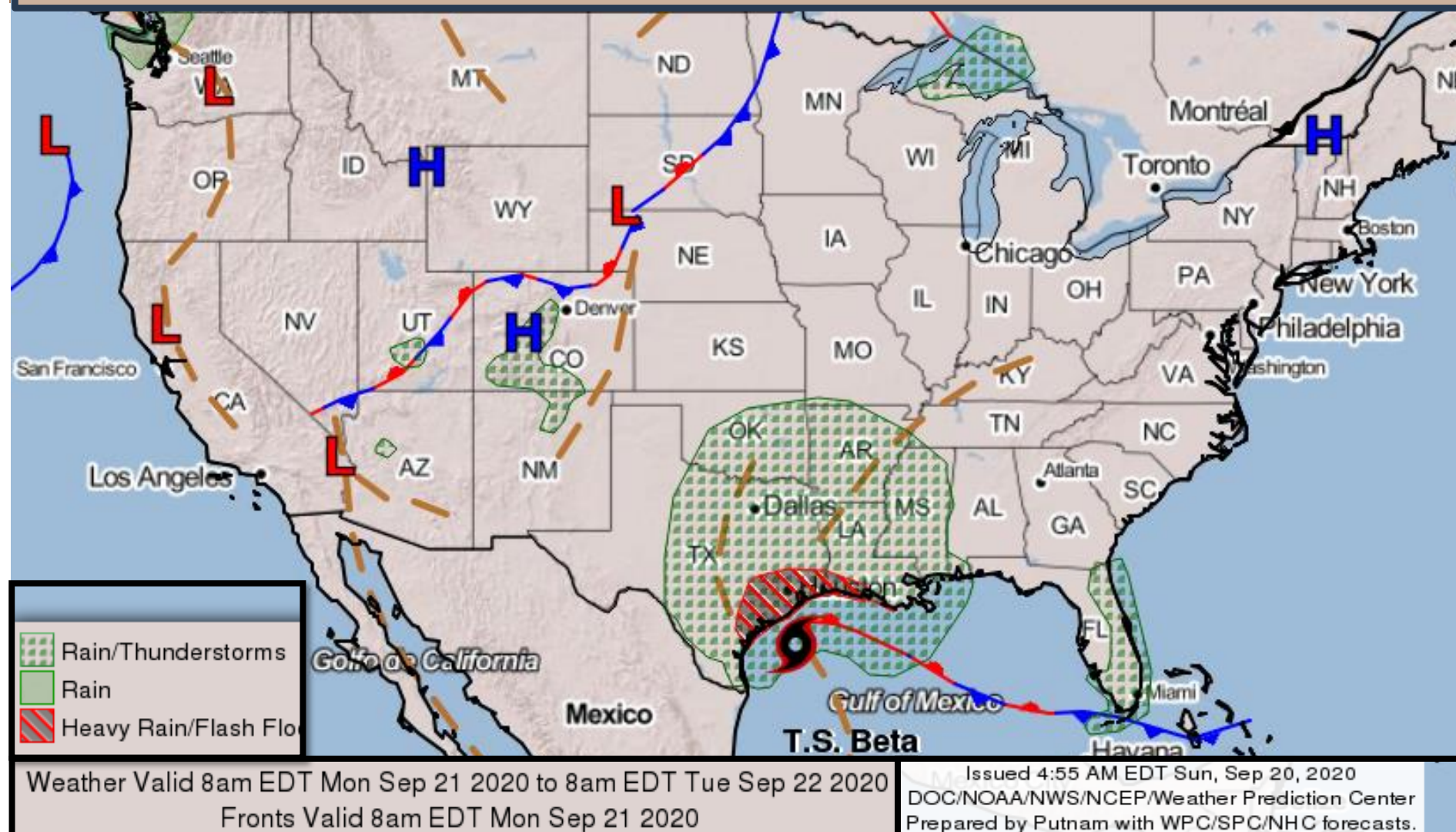


# Tomorrow's Weather

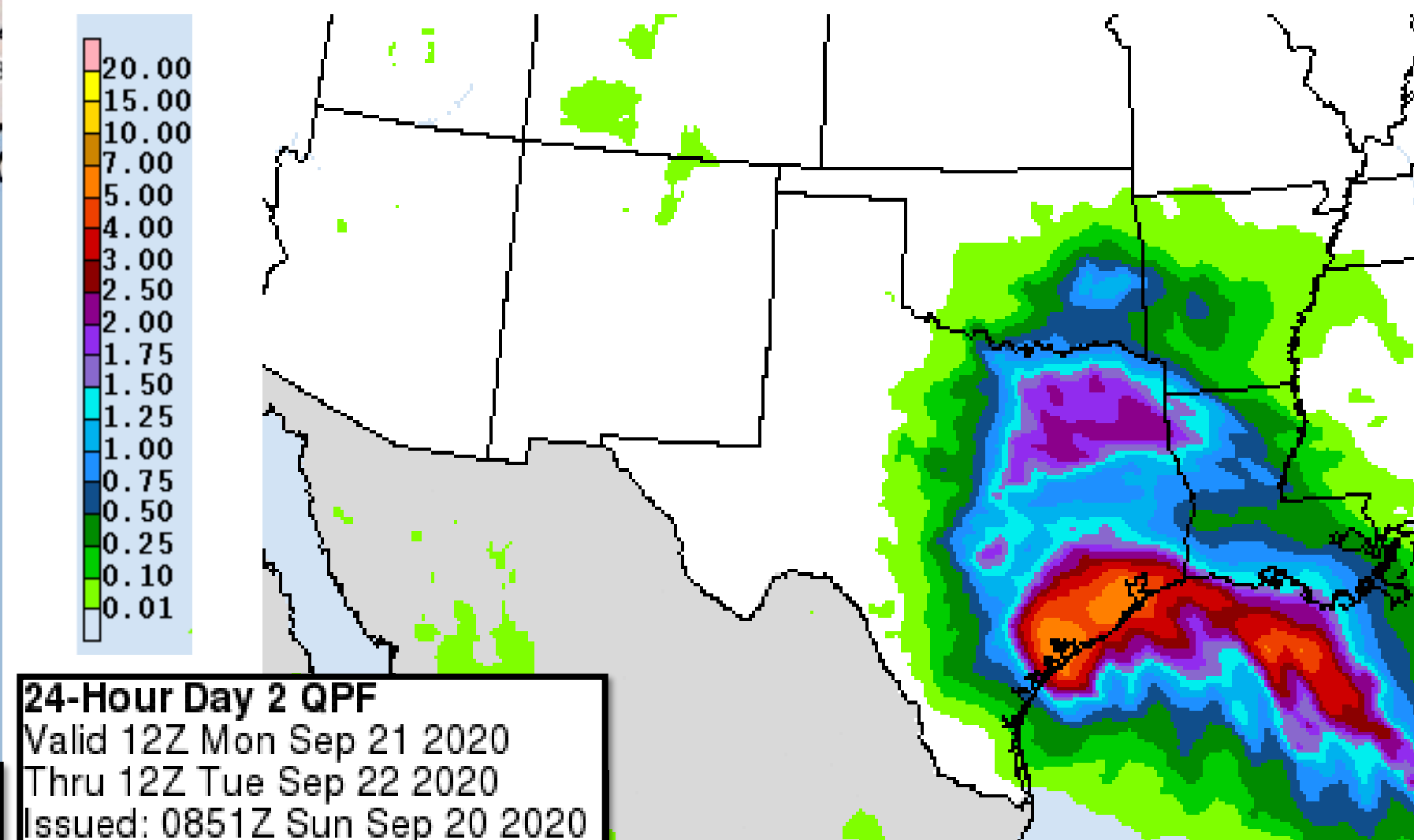


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## Forecast Chart



## Forecast Rainfall

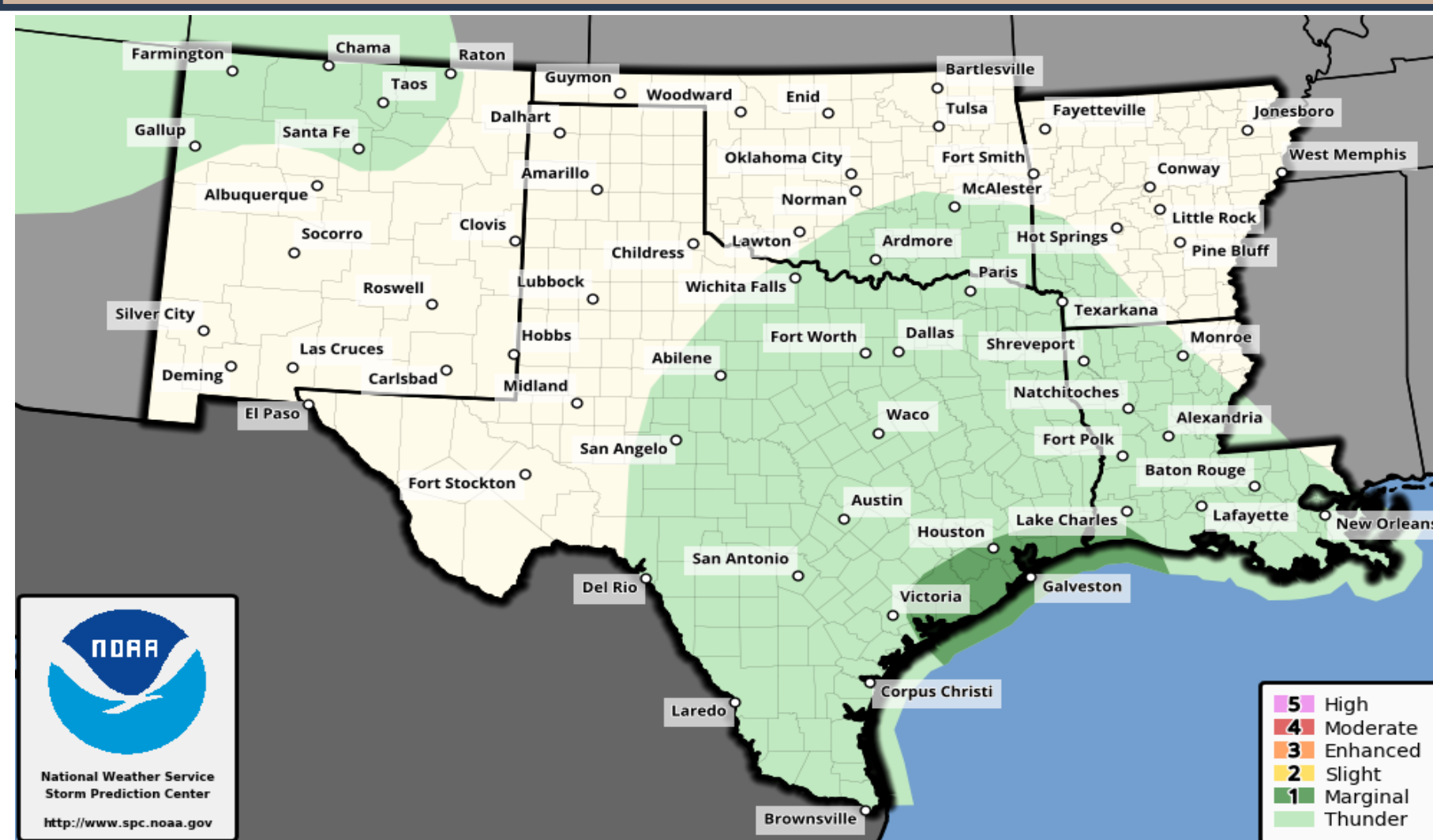


**Heavy rainfall/flash flooding expected across SE TX and the TX coast.**

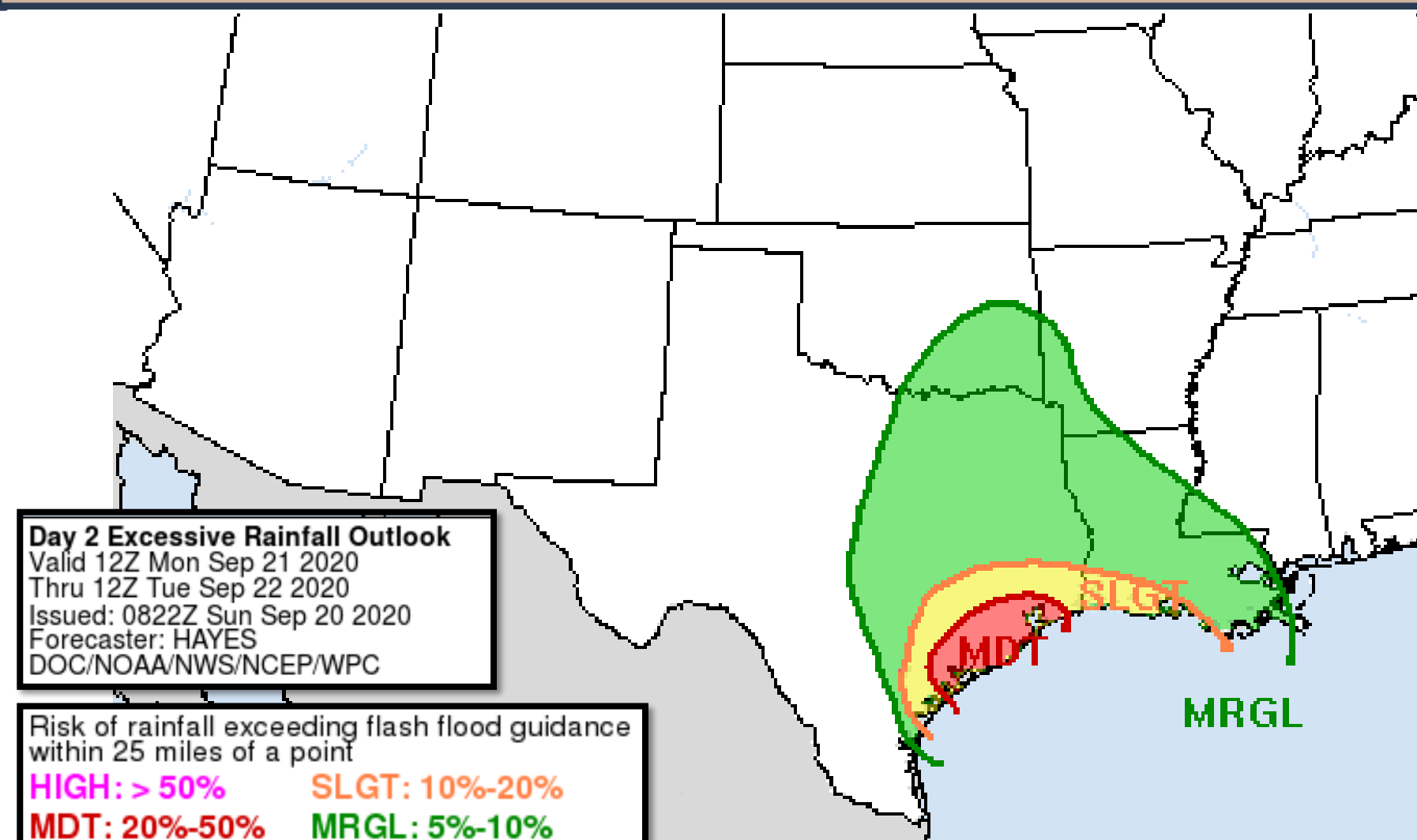
**Heavy rainfall and flash flooding likely across S LA and the LA coast.**

**Threat of a few tornadoes across the Mid/Upper TX Coast into SW LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



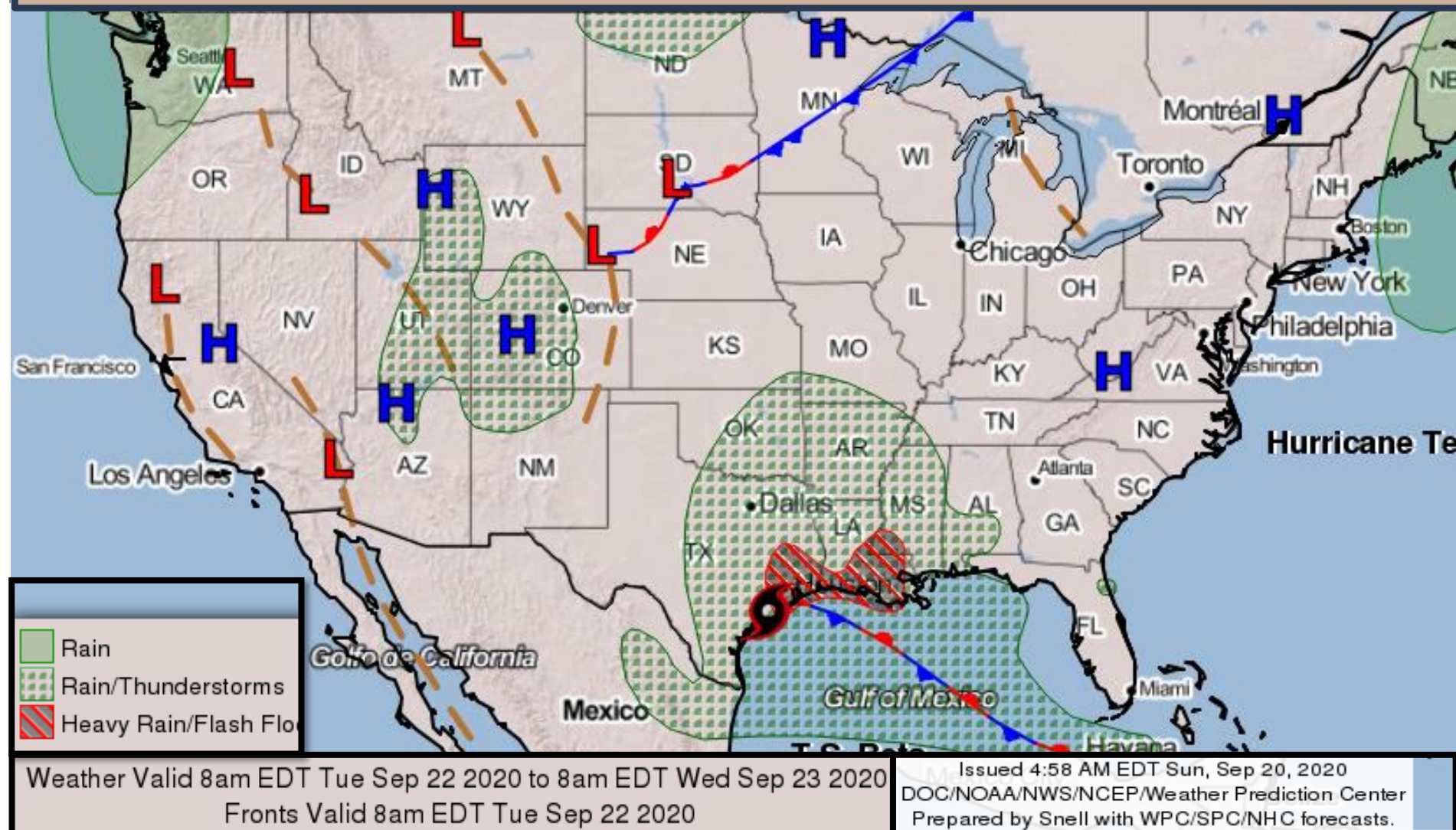


# Tuesday's Weather

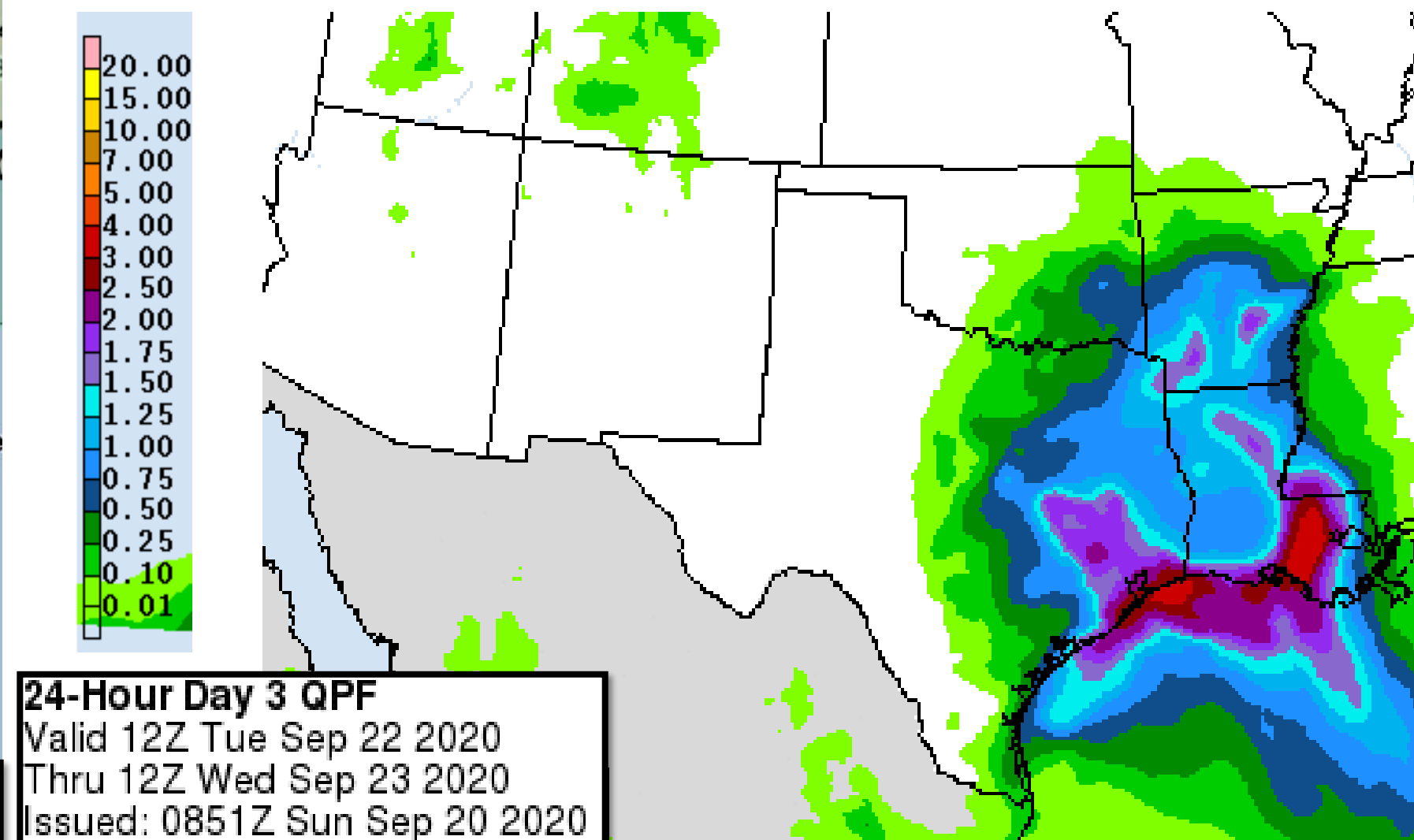


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## Forecast Chart



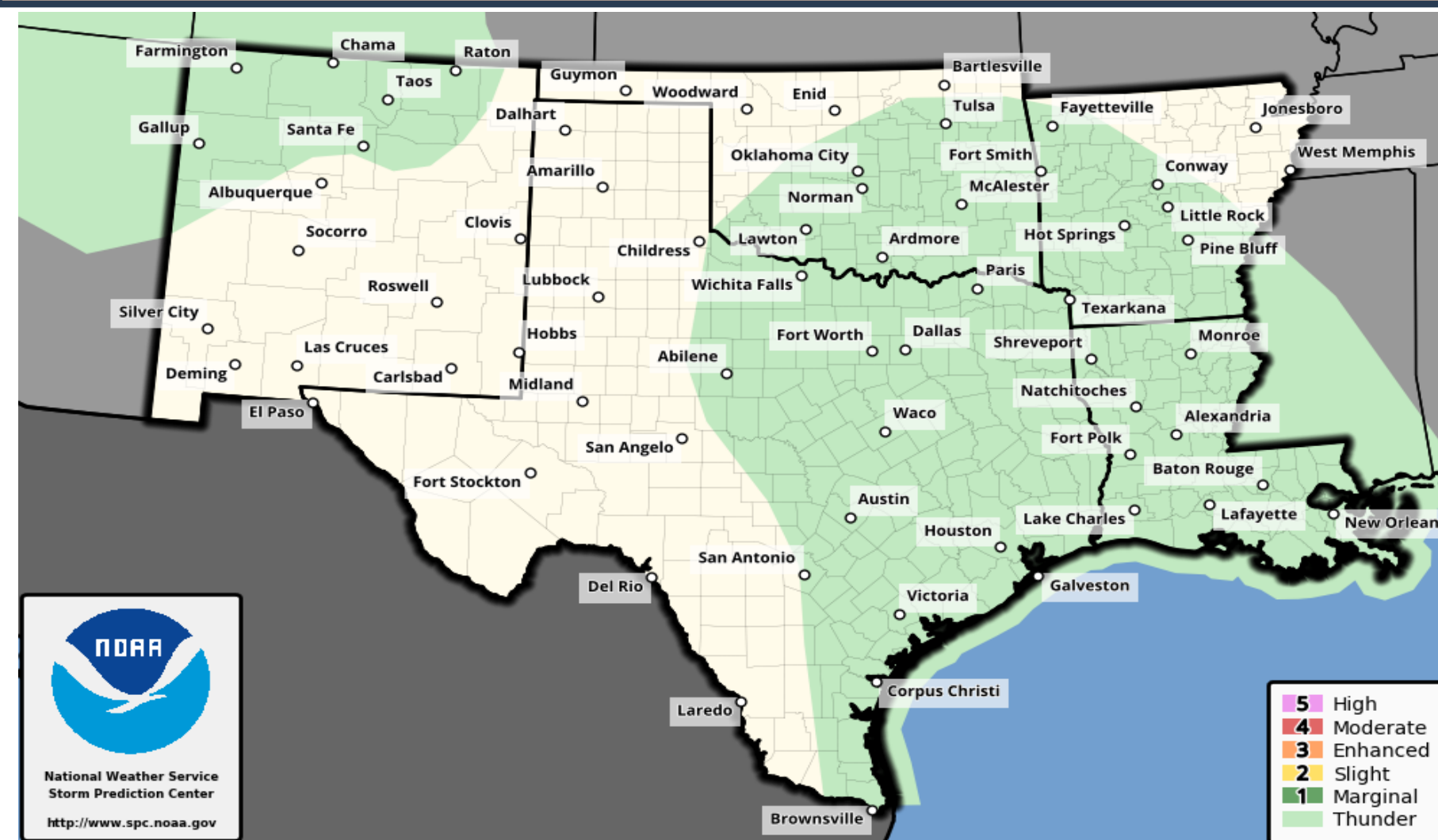
## Forecast Rainfall



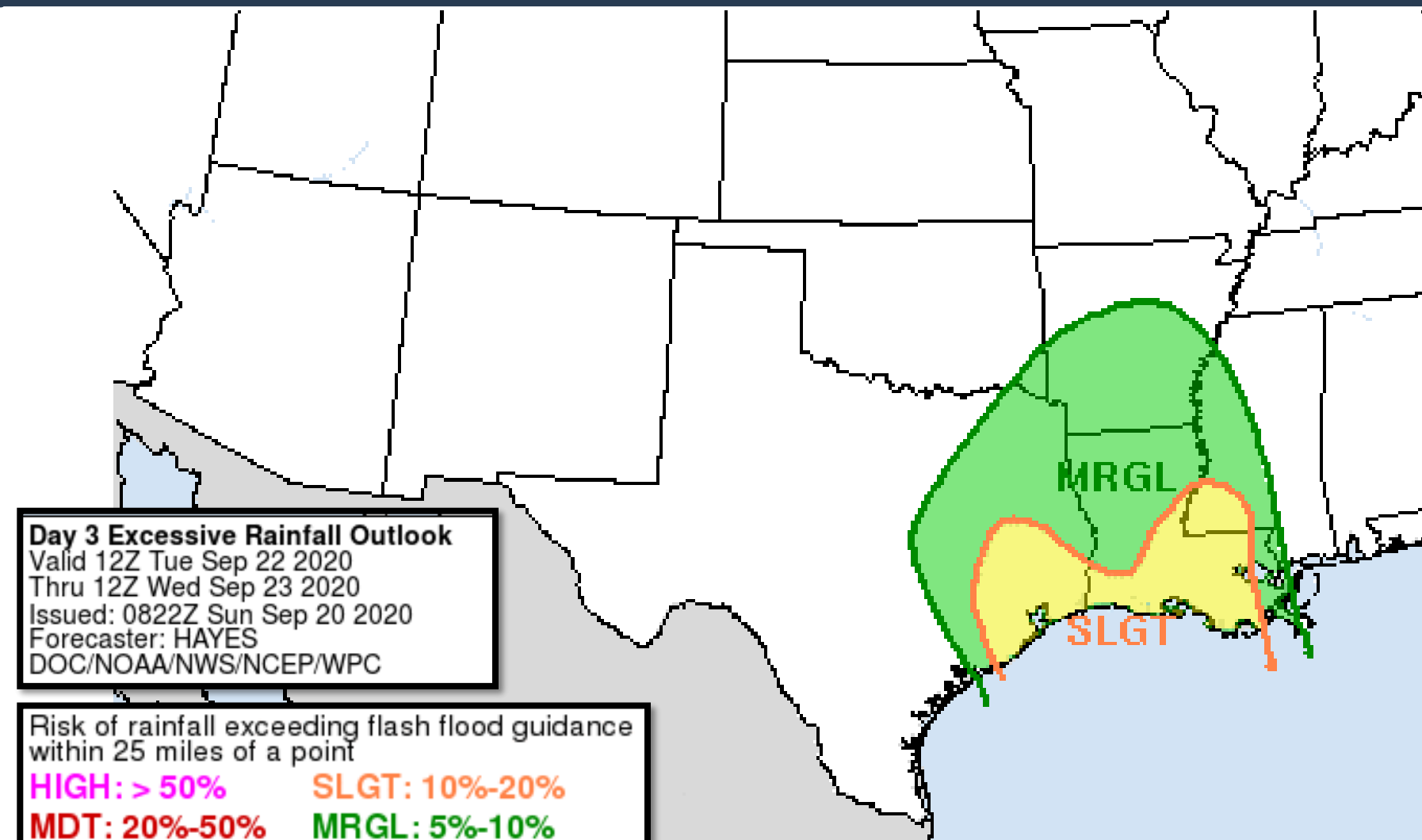
**Heavy rainfall/flash flooding expected across SE TX and the TX coast.**

**Heavy rainfall and flash flooding likely across S LA and the LA coast.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





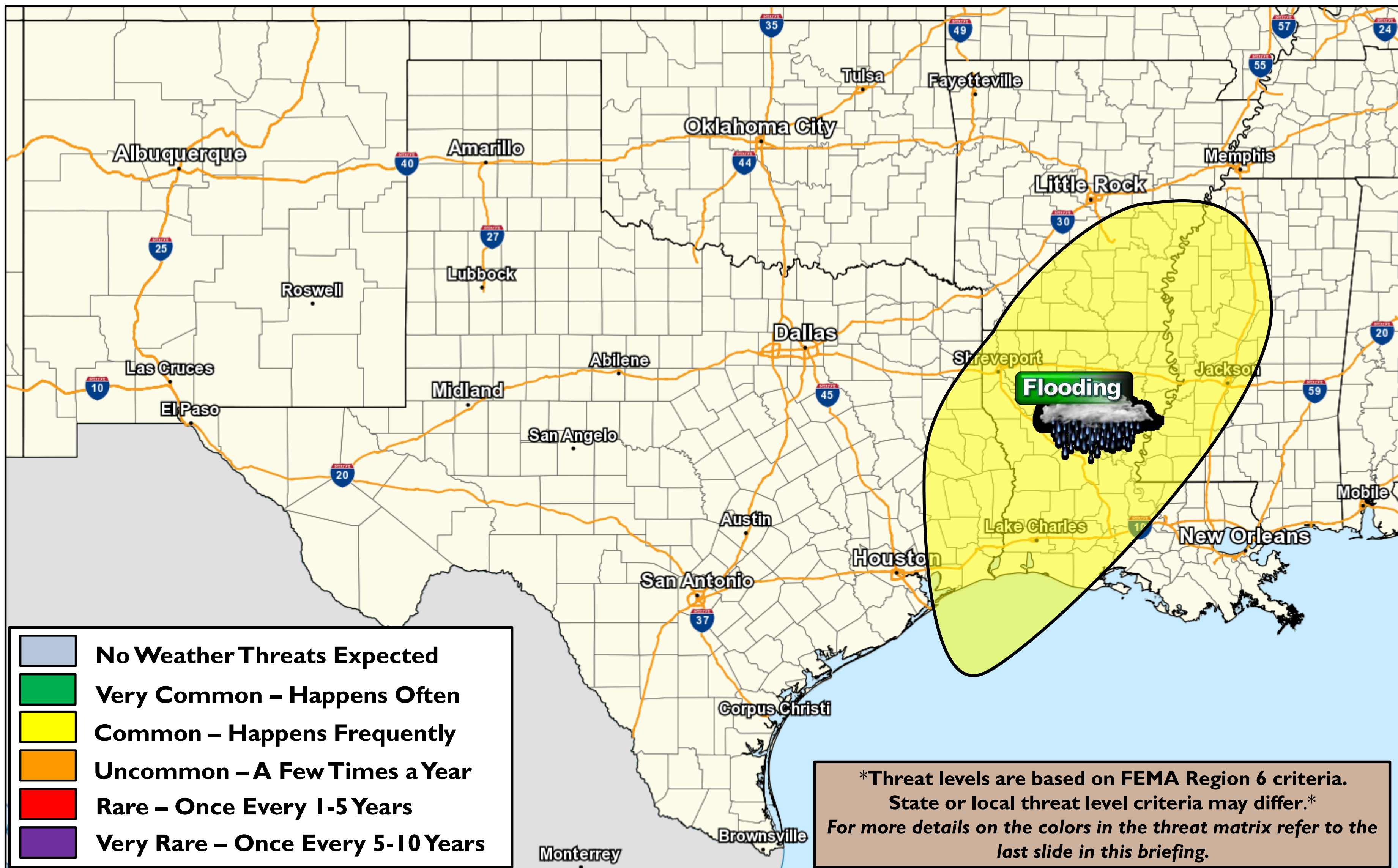
# Days 4-5 Weather Hazards

Wednesday - Thursday



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**Heavy rainfall/flash flooding threat continues into mid week for SE TX, LA, and AR.**



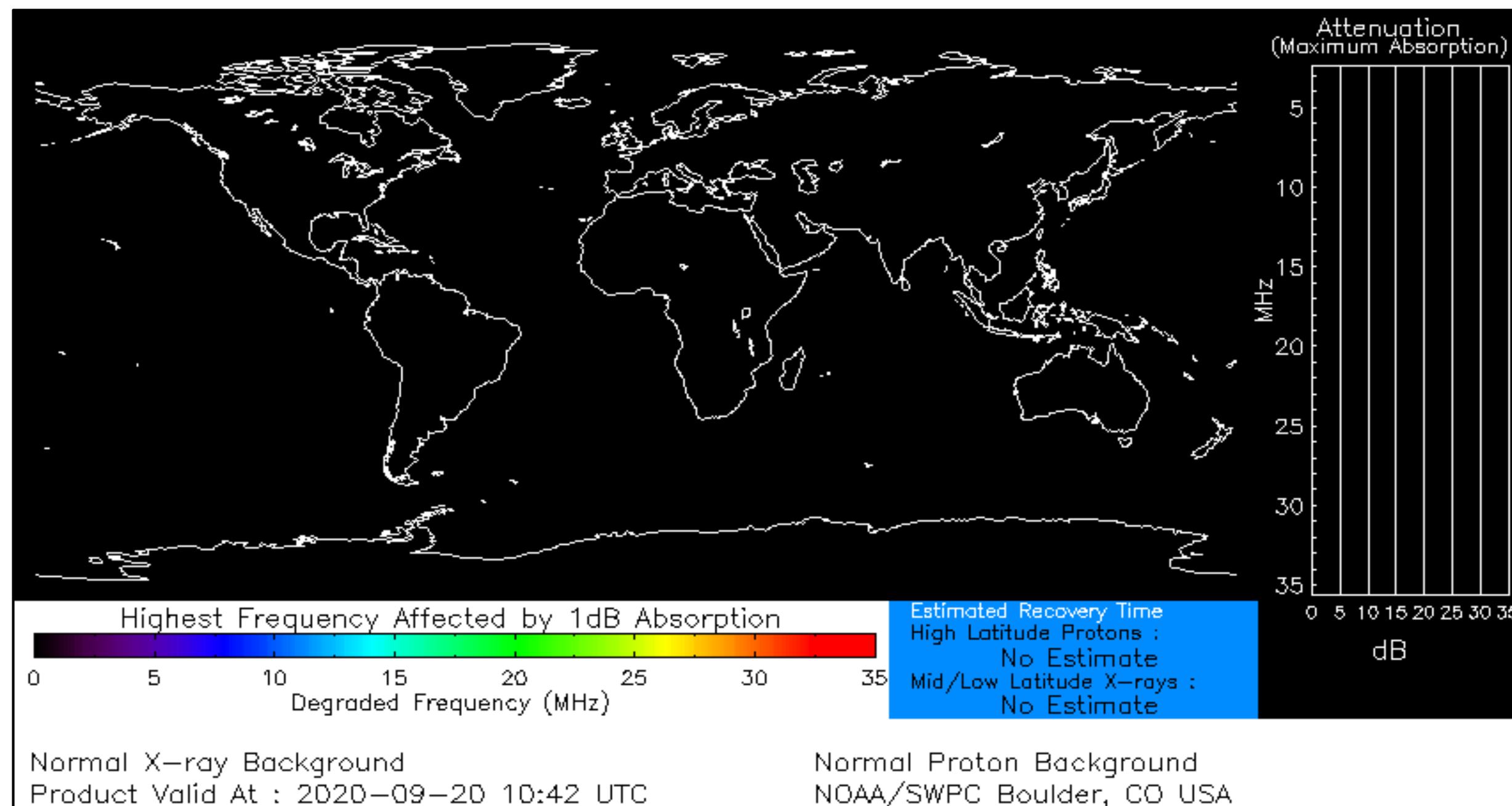


# Space Weather 3-Day Forecast



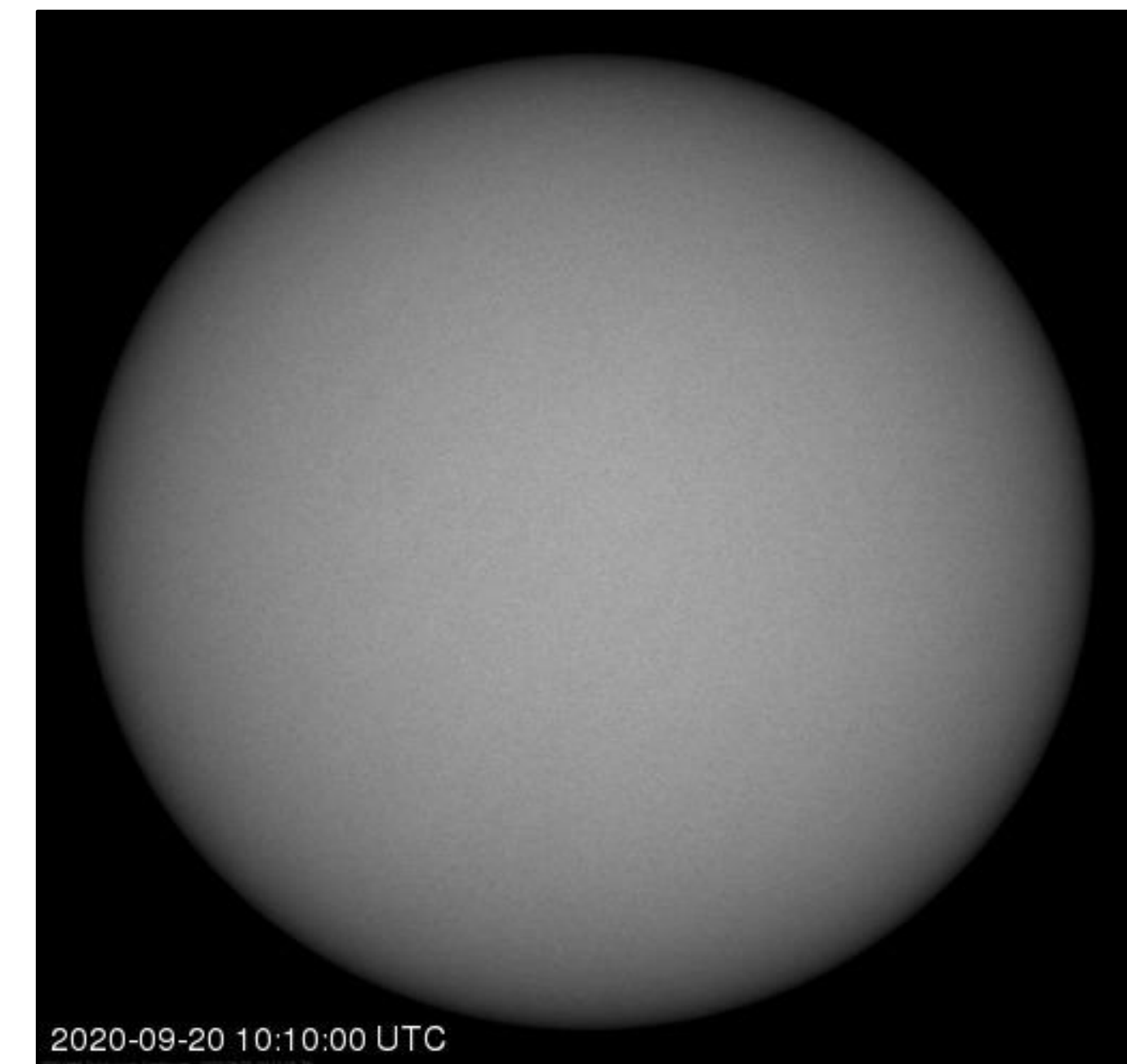
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	Sunday	Monday	Tuesday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R1-R2)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R3-R5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







**For more information, please contact:**

**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

**Phone: (682) 703-3747**

**E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**

**Web: <http://www.weather.gov/srh>**





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**